

99V-131

Volkswagen of America, Inc.

RECEIVED

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OFFICE
DEFECTS INVESTIGATION
11000 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

September 2000

Ms. Patricia Wallace
Recall Analyst for Safety Assurance
National Highway Traffic Safety Administration
NSA-11
U.S. Department of Transportation
400 Seventh Street, S.W.
Washington, DC 20590

Subject: Recall Campaign UH (99V-131)
1998-99 Model Volkswagen Passat 1.8L 5V Turbo Automatic
Transmission Vehicles
1998-99 Model Volkswagen Passat 2.8L 5V V6 Standard/Automatic
Transmission Vehicles
Install Vacuum By-pass Kit

Dear Ms. Wallace:

Pursuant to the requirements set forth in Part 573.5 of Title 49 of the Code of Federal Regulations, we are submitting three (3) copies of the following communications:

- Dealer Notification
- Customer Notification
- Work Procedure
- Accounting Procedure

Copies of the Spanish translation will be provided at a later date.

Sincerely,


John von Hollen
Product Compliance

Enclosures

uhrculens



Recall Circular

Code: **UH**

September 1999

Subject: 1998/99 Model Volkswagen Passat 1.8L 5V Turbo Automatic
Transmission Vehicles
1998-99 Model Passat 2.8L 5V V6 Standard/Automatic
Transmission Vehicles
Install Vacuum By-pass Kit

Dear Volkswagen Dealer:

This is to inform you of the initiation of a voluntary safety recall involving 1998-99 model Volkswagen Passat 1.8L 5V Turbo automatic transmission vehicles and Passat 2.8L 5V V6 standard/automatic transmission vehicles. The recall involves the installation of a brake vacuum by-pass kit.

**Problem
Description**

Volkswagen has found that at ambient temperatures of below -4°F under certain driving conditions a control valve in the brake booster vacuum system may not fully open. Should this happen, it could result in insufficient vacuum being provided to the brake power assist unit. Although the problem does not occur at temperatures above -4°F, we recommend that the recall work be performed also on vehicles which are not regularly operated in the colder regions of the country. (See copies of customer notification letters, attached, for additional information).

**Vehicle Identification
Number Range**

The vehicles affected by the recall action are within the following vehicle identification number ranges:

1.8L 5V Turbo Automatic

WVW ___ 3B WE000001 - WVW ___ 3B XE415482

2.8L 5V V6 Standard/Automatic

WVW ___ 3B WE000012 - WVW ___ 3B XE353085

Please note that the above VINs represent the lowest and highest serial numbers of affected vehicles. Use of the OTIS campaign inquiry system will allow you to determine whether or not a particular vehicle, within the above VIN ranges, requires the corrective work.

Note: Volkswagen will not reimburse under this recall any duplicate recall repair work or a repair outside the VIN ranges.

**Remedial
Action**

Install a brake power assist unit vacuum by-pass kit.

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Important: Please Provide A Copy To All Personnel With Campaign-Related Responsibilities!

Volkswagen of America, Inc.

**Owner
Notification
Mailing**

Volkswagen of America, Inc. will mail first class notification letters to all known owners of affected vehicles on or about September 21, 1999. Copies of the (4) owner letters are enclosed in this circular.

**Vehicle
Allocation**

By separate mail, we will furnish to you (2) separate computer lists containing information for vehicles of 1.8L 5V Turbo and 2.8L 5V V6 owners who may reside within your area of responsibility.

Dealer Inventory Vehicles

Section 154(d) of the National Traffic and Motor Vehicle Safety Act of 1966 mandates that dealers correct, prior to delivery for sale or lease, any vehicle which fails to comply with an applicable Federal Motor Vehicle Safety Standard or which contains a defect relating to motor vehicle safety. It is, therefore, imperative that any vehicle in your dealer new or used car inventory, and showing the UH code in the OTIS system, is updated with the installation of a vacuum by-pass kit prior to sale.

Parts Availability

Vacuum kits, 058 198 751, are en-route to your dealership and repair appointments can be scheduled for 1.8L 5V Turbo vehicles. *However, vacuum kits 078 198 998NM and P for the 2.8L 5V V6 vehicles will only be available on or about October 15, 1999. Prior to the availability of these kits at your dealership, appointments should not be scheduled.*

**Parts
Information**

Prior to owner notification, we will automatically ship to you an initial supply of required vacuum by-pass kits based on your vehicle allocation count. Additional required parts must be ordered by you from your facing parts depot. Please refrain from over-ordering this kit; you may be required to return excess inventory.

The parts required are as follows:

Quantity	Description	Part Number	Application
1	Vacuum Kit	058 198 751	1.8L 5V Turbo Automatic transmission
1	Vacuum Kit	078 198 998N	2.8L 5V V6 Automatic transmission
1	w/ Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	
1	Vacuum Kit	078 198 998M	2.8L 5V V6 Standard transmission
1	w/ Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	
1	Vacuum Kit	078 198 998P	2.8L 5V V6 Standard/Automatic transmission
1	w/o Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	

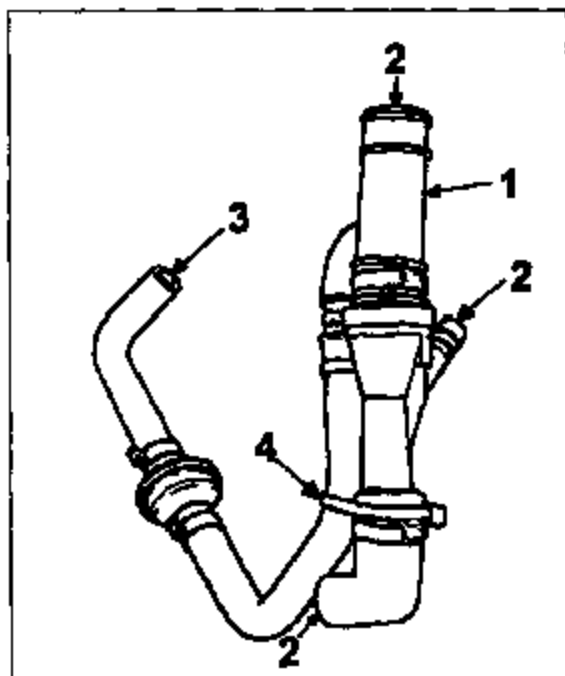
Work Procedure

For vehicles with a 1.8 Liter 5 valve turbo engine with automatic transmission, go to Section A

For vehicles with a 2.8 Liter 5 valve V6 engine with standard/automatic transmission, go to Section B

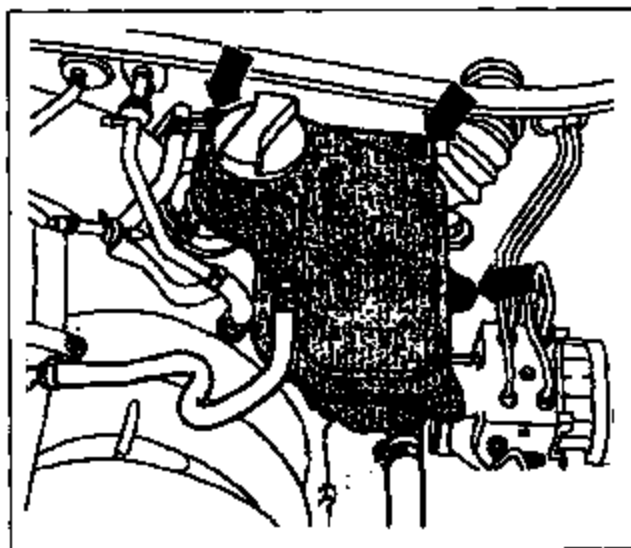
Section A – 1.8 Liter 5 Valve Turbo

Vacuum By-pass Kit 058 198 751 contains the following parts:

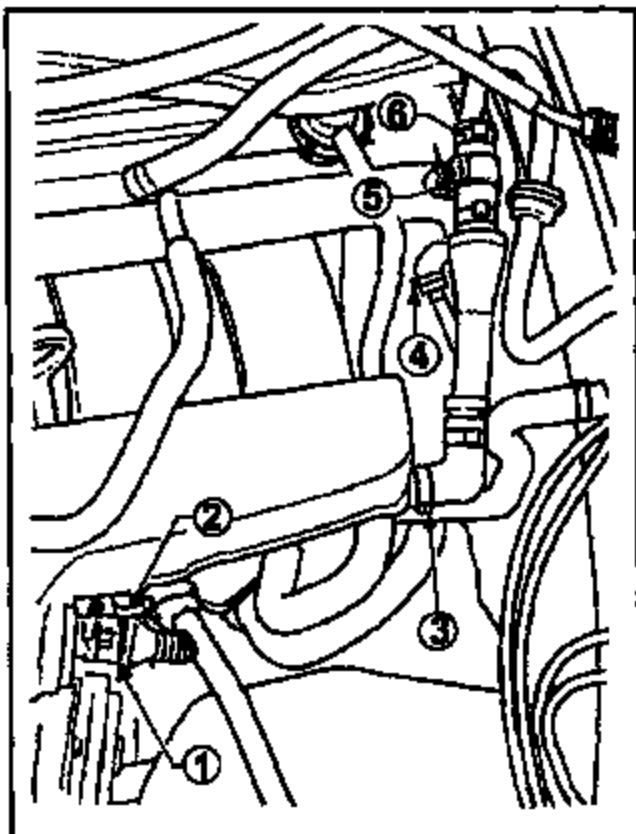


- ① Vacuum kit -058 133 751F- (includes assembled hoses, and non-return valve)
- ② 3 Clamps -N 102 582 01
- ③ Clamp -N 102 334 01
- ④ Tie Wrap -N 020 902 2

Removal of vacuum components including hoses

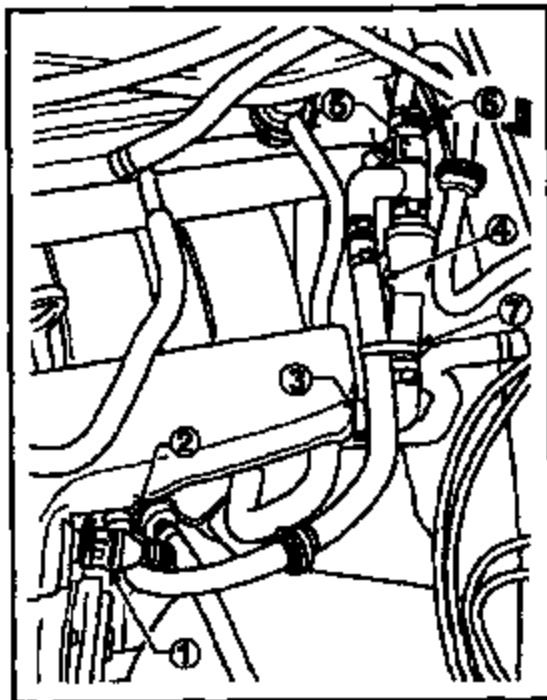


- Turn ignition to off position, and open hood
- ⇐ Remove 3 Phillips head screws securing coolant reservoir (arrows)
- Disconnect coolant level display connector from the bottom of the coolant reservoir, and move coolant reservoir aside



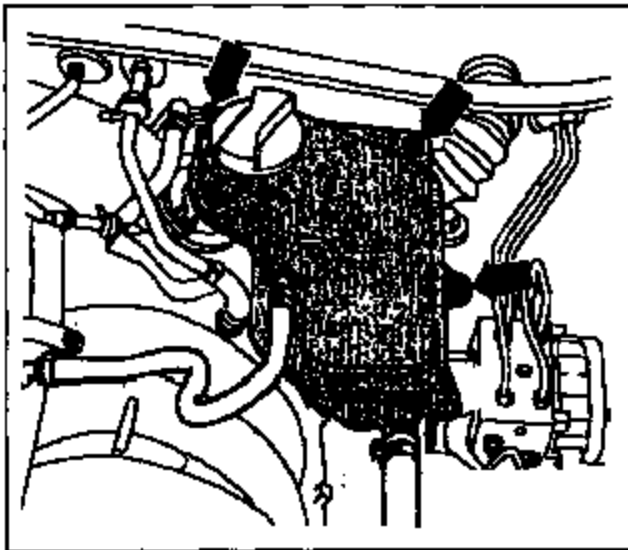
- ⇐ Disconnect air temperature sensor connector -1-
- ⇐ Remove clamp -2- from cap for side intake manifold port, and remove cap
- ⇐ Unhook plastic clamp -5- holding hose
- ⇐ Remove clamp -3- from elbow, and disconnect elbow from rear intake manifold port
- ⇐ Remove clamp -6- and disconnect vacuum unit tube
- ⇐ Remove clamp -4- from crankcase ventilation hose
- ⇐ Disconnect crankcase hose from vacuum unit and remove vacuum unit with hoses
- Dispose of removed vacuum unit with hoses and clamps

Installation of brake power assist unit vacuum by-pass kit



- ⇐ Slide new screw clamp over crankcase hose -4-, connect hose to vacuum unit and set clamp position
- ⇐ Slide new screw clamp over vacuum unit tube; insert tube approx. 25 mm (1") into rubber hose -6- and set clamp position
- ⇐ Slide new screw clamp over elbow -3-, connect elbow to rear intake manifold port and set clamp position
- ⇐ Slide new crimp clamp over hose; connect hose to side intake manifold port -2- and set clamp position
- ⇐ Slide plastic clamp -5- over hose and close clamp

Reference illustration at bottom of Page 4/21.



- Check position of all hoses (must be free of tension and not contacting engine parts) and tighten all clamps making certain the clamp edges do not contact other hoses
- Use tie wrap -7- and secure 2 hoses together
- Reconnect air temperature sensor -1-
- Reconnect coolant level display connector to the bottom of the coolant reservoir
- ⇐ Reinstall coolant reservoir using 3 Phillips head screws (arrows)
- Start engine and check for vacuum leaks
- Close hood

Section B – 2.8 Liter 5 Valve V6

Kit 078 198 998 M contains the following parts: (manual transmission vehicles)

Quantity	Part Number	Description
1	078 133 063 AM	Throttle valve control module
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

Kit 078 198 998 N contains the following parts: (automatic transmission vehicles)

Quantity	Part Number	Description
1	078 133 063 AN	Throttle valve control module
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

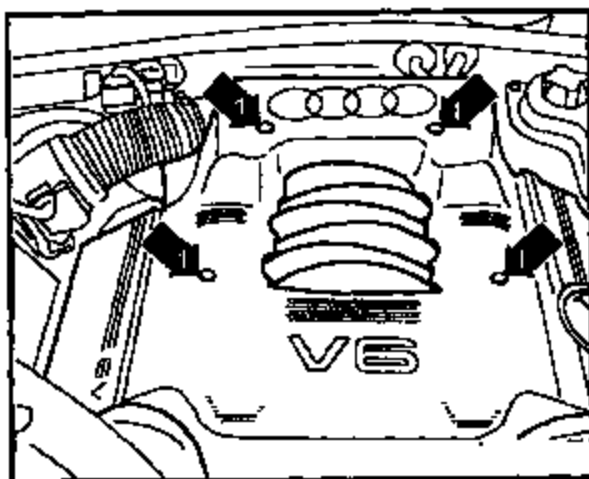
Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

Kit 078 198 998 P contains the following parts: (no throttle valve control module needed)

Quantity	Part Number	Description
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

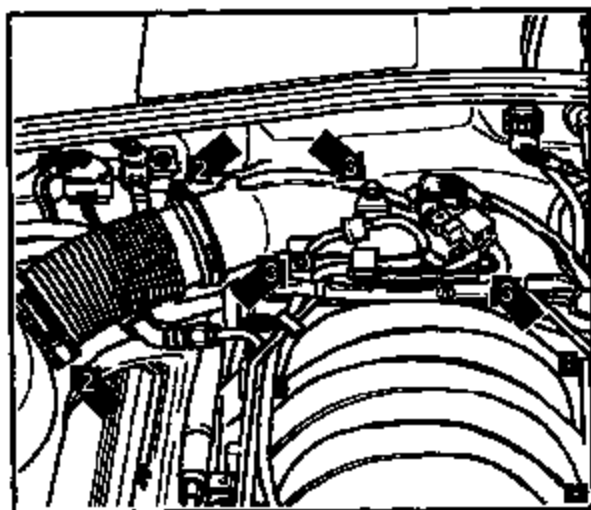
Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

Type of kit will be determined after viewing the throttle valve control module



- Open hood

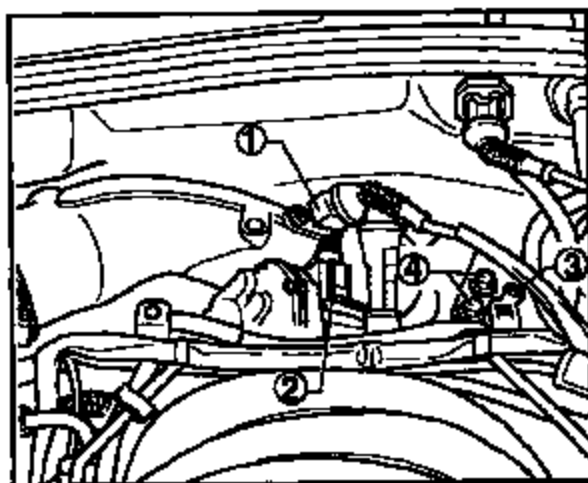
⇐ Turn screws -1- and remove engine cover



⇐ Remove intake air hose between Mass Air Flow (MAF) sensor and air intake elbow by loosening clamps -2-

⇐ Remove three bolts -3- securing solenoid plate assembly located rearward of the intake manifold

- Disconnect vacuum hoses and electrical connectors (note location of vacuum hoses) as necessary



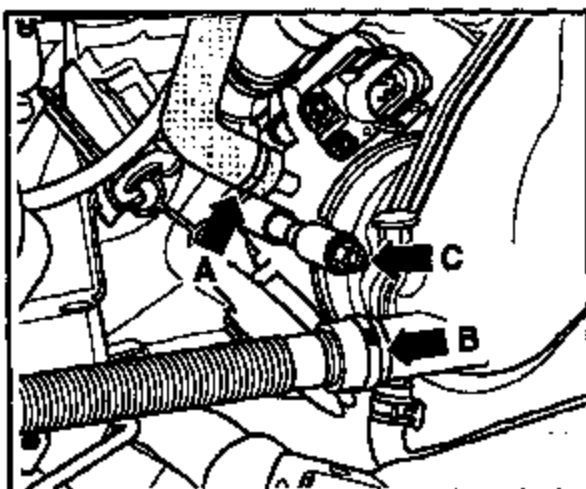
⇐ Unclip wiring support -3-

⇐ Disconnect connector -1- for intake air temperature sensor

- Move disconnected solenoid plate assembly to one side

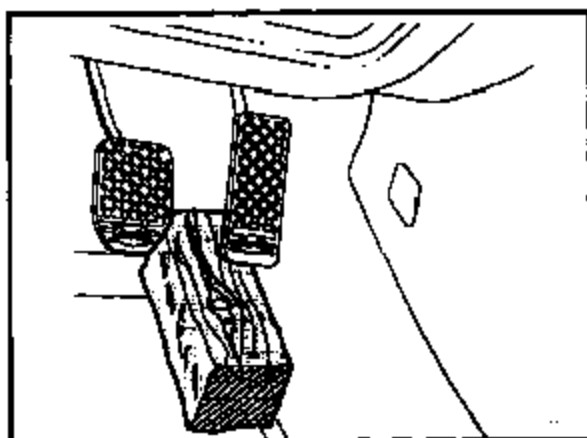
⇐ Disconnect connector -2- from throttle valve control module

⇐ Remove cruise control vacuum unit from support -4-

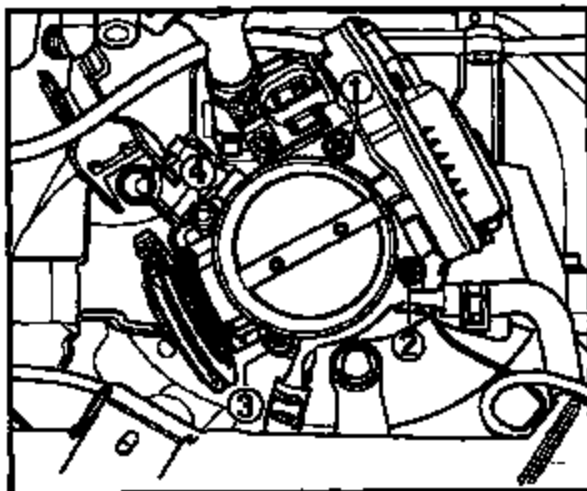


- ⇐ Remove cap screw -C- on air intake elbow and slide elbow rearward
- ⇐ Disconnect crankcase ventilation hose -B- from intake air elbow and remove elbow
- ⇐ Disconnect vacuum hose -A- from throttle valve control module to evaporative emission (EVAP) canister purge regulator

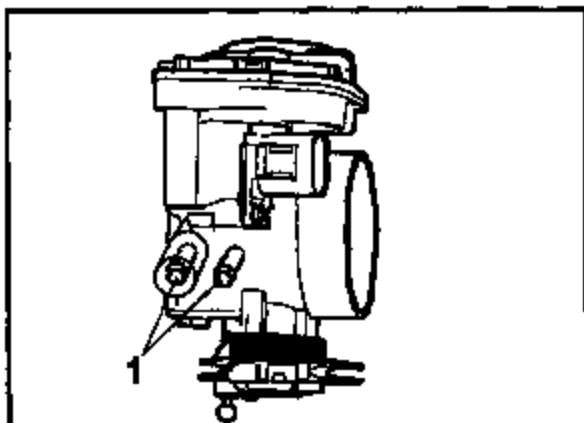
Throttle valve control module removing



- ⇐ **Note:** A support (90 mm or 3.5 inches) under the accelerator pedal will ease cable tension and aid in disassembly



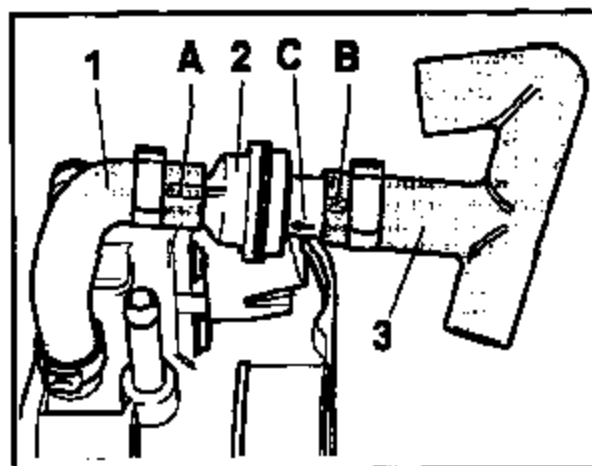
- ⇐ Remove throttle valve control module from intake manifold by removing screws -1-, -2-, and -3- with a 5 mm hexagon socket and screw -4- with an 8 mm hexagon socket
- Note:** Screws -2- and -3- also secure throttle valve heating tube, and screw -2- also secures ground wire
- Carefully disconnect throttle cable and cruise control linkage (do not remove accelerator pedal cable retainer from throttle body) and set aside



- ⇐ Check throttle valve control module for two vacuum ports -1-
- If two vacuum ports are present (one with rubber cap) use bypass kit 078 198 998 P
- If vacuum port with rubber cap is not present, use bypass kit 078 198 998 M for manual transmission vehicles or bypass kit 078 198 998 N for automatic transmission vehicles

Vacuum booster bypass installing

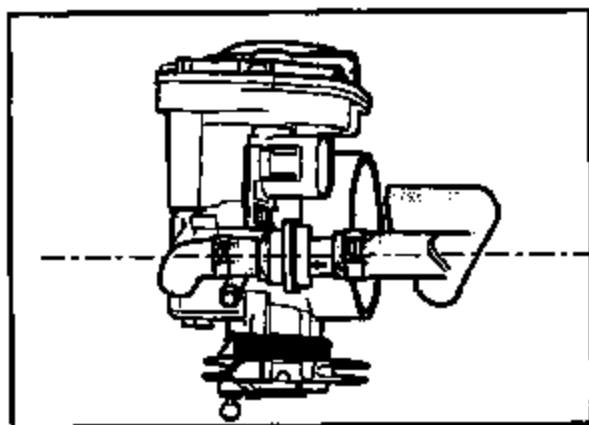
Prepare the throttle valve control module before installing:



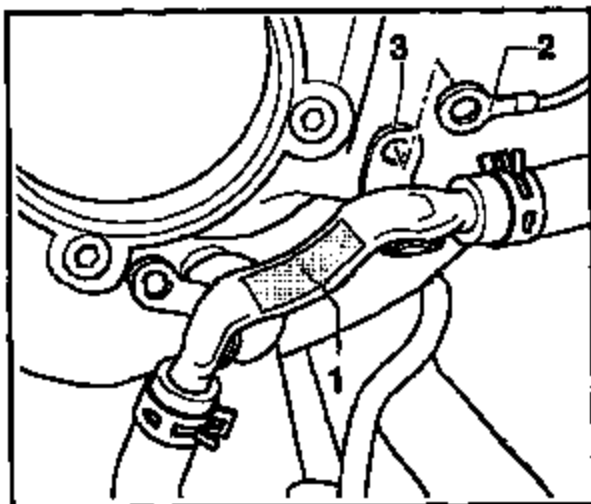
- ⇐ From the kit install angle hose -1-, check valve -2- and bypass hose -3- on the throttle valve control module, making sure that the marks -A- and -B- on vacuum hoses are aligned as shown

Important! The arrow -C- on the check valve must point in the direction of the throttle valve control module

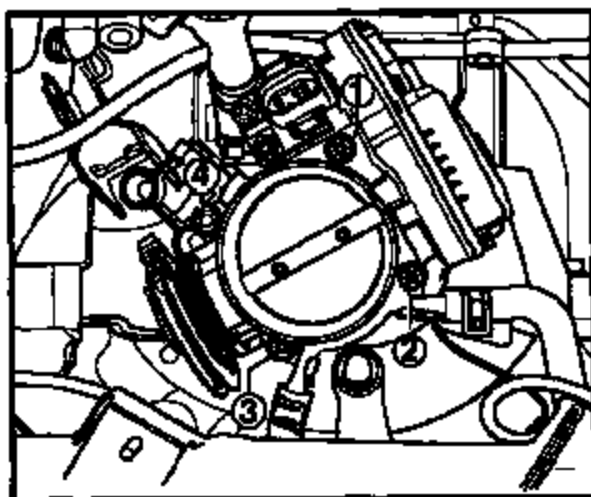
- ⇐ From the kit, use 2 pinch clamps to secure angled hose -1- and a screw clamp to secure bypass hose -3-



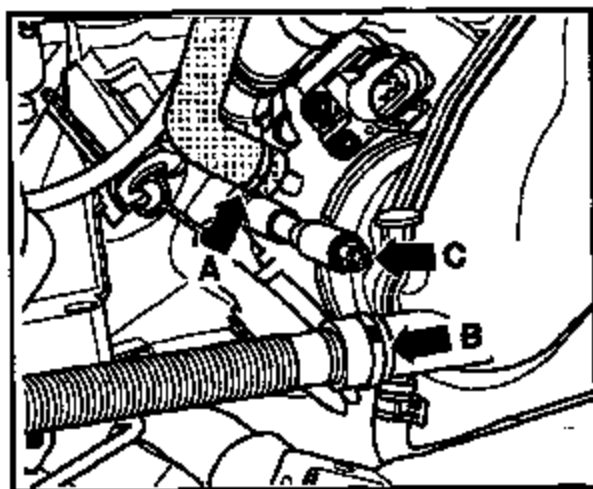
- ⇐ Correct position of hose assembly on throttle valve control module



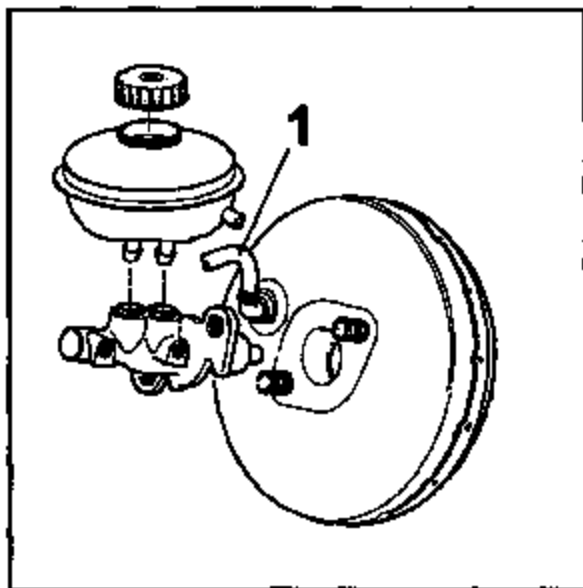
- Clean the mounting surface of the intake manifold and make certain O-ring gasket is in place before installing the throttle valve control module
- ⇐ Apply paste sealer from the kit on area -1- of the throttle valve heating tube
- When the throttle valve control module is bolted on, ground wire -2- will be secured with the throttle valve heating tube bracket -3-



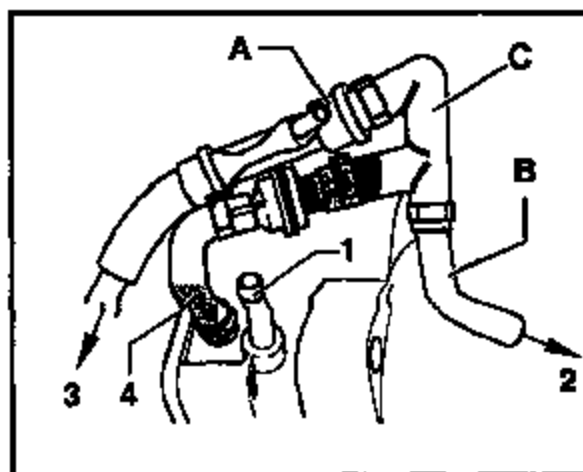
- ⇐ Install throttle valve control module with new hoses and valve and secure with four screws (10 Nm or 7 ft lb)
- Reconnect throttle cable and cruise control linkage



- ⇐ Place air intake elbow in front of throttle body, reconnect crank case vent hose -B-, slide elbow to correct position on throttle body and secure with cap screw -C- (10 Nm or 7 ft lb)
- ⇐ Reconnect vacuum hose -A- for evaporative emission (EVAP) canister purge regulator to throttle valve control module with a pinch clamp



- Remove the rubber elbow between the vacuum amplifier and the brake booster vacuum pipe
- Remove rubber seal and plenum panel cover
- ⇐ Remove vacuum pipe -1- to brake booster
- Install new vacuum pipe 8D1 611 931 AR from brake booster to bypass hose



- ⇐ Connect bypass hose -C- to vacuum amplifier -A- and secure using screw clamp
- ⇐ Connect bypass hose -C- to vacuum pipe -B- to brake booster and secure using new screw clamp N 102 018 01
- ⇐ **Vacuum ports**
 - 1 Port to the EVAP – valve
 - 2 To brake booster
 - 3 To intake manifold
 - 4 Connection for bypass
- Reconnect connector to throttle valve control module
- Reinstall solenoid plate with three screws
- Reconnect previously disconnected vacuum lines
- Reconnect connector for Intake air temperature sensor
- Reinstall cruise control vacuum unit and secure (10 Nm or 7 ft lb)
- Reinstall wiring support

- Reinstall intake air hose between mass air flow sensor and air intake elbow, and secure with clamps (10 Nm or 7 ft lb)
- Reinstall plenum panel cover and seal
- Reinstall engine cover
- Remove support from under accelerator pedal
- Use VAG 1551 or VAG 5051 and set throttle adaptation
- Close hood
- Properly dispose of all removed parts

Time Requirements/ Reimbursement

To ensure prompt and proper payment, be sure the OTIS campaign inquiry system shows the **UH** recall code on the day of repair.

UH Data Entry Procedure

Vehicle Type	Repair Code (Damage Code Field)	Time Units	Work Scope
1.8L 5V Turbo Automatic	UH 12	60 T.U.	- Install vacuum by-pass kit (1) Kit 058 198 751
2.8L 5V V6 Std/Auto w/o throttle valve control module	UH 13	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998P (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
2.8L 5V V6 Standard w/ throttle valve control module	UH 14	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998M (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
2.8L 5V V6 Automatic w/ throttle valve control module	UH 15	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998N (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
Important: Must enter \$7.00 in Sublet Labor field for vehicle vacuum/wash (customer cars ONLY). Must enter \$25.00 in Loaner field, if applicable.			

The system automatically enters the part number and labor applicable to the above listed code.

For vehicles that are unreachable, please enter into the system one of the codes indicated as applicable:

UH 20	Customer Refused Repairs
UH 30	Total Loss
UH 40	Vehicle Stolen
UH 50	Vehicle Exported
UH 60	Customer Moved – No Forwarding Address
UH 70	Vehicle Sold – New Owner Unknown

Recall Verification

For verification, always check the OTIS campaign inquiry system. The OTIS system is the only binding campaign inquiry and verification system; other systems are not valid.

Dealer Obligation

To ensure customer satisfaction, as well as minimize inconvenience to your customers, you are urged to service each vehicle at the scheduled service appointment time, offer and supply a loaner vehicle for the day, if necessary, and make sure that each vehicle is returned to the customer washed and cleaned inside. Do not let any customer wait longer than necessary for the recall repair service of the vehicle. Every effort should be made to reduce any inconvenience to customers.

Service Help

If you have any questions regarding this or any other recall or service action, please call (248) 340-4734 or (248) 340-4368.

Dealer Personnel Information

Please inform and/or provide a copy of this communication to every person in your dealership who has campaign-related responsibilities, including parts and accounting personnel.

Thank you for your cooperation.

Sincerely,



Andreas H. Steglich
Product Compliance Team Leader

AHS:dr

Volkswagen of America, Inc.



3800 Hamlin Road
Autumn Hills, MI 48328
Tel. (248) 340-5000

14/21

September 1999

DRAFT (1) 2.8L

Cold Area Residents

**Subject: Recall Campaign UH
Install Brake Booster Vacuum By-pass Kit**

Dear Volkswagen Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Volkswagen has decided that a defect which relates to motor vehicle safety exists in some 1998/99 model Volkswagen Passat 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Volkswagen is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Volkswagen dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Volkswagen dealers on or about October 15, 1999.

Anticipated Repair Time

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible after parts are available.

Please contact the Service Department of your authorized Audi dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Audi in for the service.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Volkswagen dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Volkswagen of America, Inc.
Attn: Customer Relations - 2F02 (UH)
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-8987

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Passat is safe and operates to your satisfaction.

Thank you for driving a Volkswagen.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Volkswagen of America, Inc.



3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

16/21

September 1999

DRAFT (2) 2.8L

Warm Area Residents

**Subject: Recall Campaign UH
Install Brake Booster Vacuum By-pass Kit**

Dear Volkswagen Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Volkswagen has decided that a defect which relates to motor vehicle safety exists in some 1998/99 model Volkswagen Passat 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Volkswagen is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of minus -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

What You Need To Do

We have determined that you are not residing in a region of the country which will ever experience temperatures as low as -4°F or lower in major population centers. The defect is therefore not likely to cause a safety problem for you, so there is no need for you to respond to this notice immediately.

However, we recommend that you have the recall completed if you should decide to move to, sell your vehicle to a resident in or plan to drive your vehicle in the states of Alaska, Colorado, Connecticut, Idaho, Illinois, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New York, North Dakota, Oregon, South Dakota, Vermont, Washington, Wisconsin or Wyoming. In that case, please make an appointment with your nearest Volkswagen dealer.

Remedial Repair

Your authorized Volkswagen dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Volkswagen dealers on or about October 15, 1999.

Anticipated Repair Time

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Volkswagen dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Volkswagen of America, Inc.
Attn: *Customer Relations - 2F02 (UH)*
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-8987

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Passat is safe and operates to your satisfaction.

Thank you for driving a Volkswagen.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Volkswagen of America, Inc.



3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

18/21

September 1998

DRAFT (2) 1.8L

Warm Area Residents

**Subject: Recall Campaign UH
Install Brake Booster Vacuum By-pass Kit**

Dear Volkswagen Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Volkswagen has decided that a defect which relates to motor vehicle safety exists in some 1998/99 model Volkswagen Passat 1.8L 5 Valve Turbo automatic transmission vehicles. Our records show that your Volkswagen is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

What You Need To Do

We have determined that you are not residing in a region of the country which will ever experience temperatures as low as -4°F or lower in major population centers. The defect is therefore not likely to cause a safety problem for you, so there is no need for you to respond to this notice immediately.

However, we recommend that you have the recall completed if you should decide to move to, sell your vehicle to a resident in or plan to drive your vehicle in the states of Alaska, Colorado, Connecticut, Idaho, Illinois, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New York, North Dakota, Oregon, South Dakota, Vermont, Washington, Wisconsin or Wyoming. In that case, please make an appointment with your nearest Volkswagen dealer.

Remedial Repair

Your authorized Volkswagen dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

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Repair Schedule

Parts including the necessary installation instructions are already available at authorized Volkswagen dealers.

Anticipated Repair Time

The recall work will take approximately one hour. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Volkswagen dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Volkswagen of America, Inc.
Attn: *Customer Relations - 2F02 (UH)*
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-8987

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Passat is safe and operates to your satisfaction.

Thank you for driving a Volkswagen.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Volkswagen of America, Inc.



3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

20/21

September 1999

DRAFT (1) 1.8L

Cold Area Residents

**Subject: Recall Campaign UH
Install Brake Booster Vacuum By-pass Kit**

Dear Volkswagen Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Volkswagen has decided that a defect which relates to motor vehicle safety exists in some 1998/99 model Volkswagen Passat 1.8L 5 Valve Turbo automatic transmission vehicles. Our records show that your Volkswagen is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Volkswagen dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions are already available at authorized Volkswagen dealers.

Anticipated Repair Time

The recall work will take approximately one hour. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible.

Please contact the Service Department of your authorized Volkswagen dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Volkswagen in for the service.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Volkswagen dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Volkswagen of America, Inc.
Attn: Customer Relations - 2F02 (UH)
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-8987

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 368-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Passat is safe and operates to your satisfaction.

Thank you for driving a Volkswagen.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Volkswagen of America, Inc.



3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

September 2000

Ms. Patricia Wallace
Recall Analyst for Safety Assurance
National Highway Traffic Safety Administration
NSA-11
U.S. Department of Transportation
400 Seventh Street, S.W.
Washington, DC 20590

RECEIVED
OCT-2 PM 2:14
DEFECTS INVESTIGATION

Subject: Recall Campaign KU (99V-131)
1997-99 Model Audi A4 1.8T Automatic Transmission Vehicles
1997-99 A4 2.8L V6 Standard/Automatic Transmission Vehicles
1998-99 A6 2.8L V6 Automatic Transmission Vehicles
Install Vacuum By-pass Kit

Dear Ms. Wallace:

Pursuant to the requirements set forth in Part 573.5 of Title 49 of the Code of Federal Regulations, we are submitting three (3) copies of the following communications:

- Dealer Notification
- Customer Notification
- Work Procedure
- Accounting Procedure

Copies of the Spanish translation will be provided at a later date.

Sincerely,


John von Hollen
Product Compliance

Enclosures

Enclosures



Recall Circular

Code: **KU**

September 1999

Subject: 1997-99 Model Audi A4 1.8T Automatic Transmission Vehicles
1997-99 A4 2.8L V6 Standard/Automatic Transmission Vehicles
1998-99 Model A6 2.8L V6 Automatic Transmission Vehicles
Install Vacuum By-pass Kit

Dear Audi Dealer:

This is to inform you of the initiation of a voluntary safety recall involving 1997-99 model Audi A4 1.8T automatic transmission vehicles, 1997-99 model A4 2.8L V6 standard/automatic transmission vehicles and 1998-99 model A6 2.8L V6 automatic transmission vehicles. The recall involves the installation of a brake power assist unit vacuum by-pass kit.

**Problem
Description**

Audi has found that at ambient temperatures of below -4°F under certain driving conditions a control valve in the brake booster vacuum system may not fully open. Should this happen, it could result in insufficient vacuum being provided to the brake power assist unit. Although the problem does not occur at temperatures above -4°F, we recommend that the recall work be performed also on vehicles which are not regularly operated in the colder regions of the country. (See copies of customer notification letters, attached, for additional information).

**Vehicle Identification
Number Range**

The vehicles affected by the recall action are within the following vehicle identification number ranges:

1997-99 1.8T A4 Automatic

WAU ___ 8D _ VA000192 - WAU ___ 8D _ XA214064

1997-99 2.8L A4 V6 Automatic

WAU ___ 8D _ VA226919 - WAU ___ 8D _ XA200109

1997-99 2.8L A4 V6 Standard

WAU ___ 8D _ VA227050 - WAU ___ 8D _ XA086572

1998-99 2.8L A6 V6 Automatic

WAU ___ 4B _ WN028644 - WAU ___ 4B _ XN065033

Please note that the above VINs represent the lowest and highest serial numbers of affected vehicles. Use of the OTIS campaign inquiry system will allow you to determine whether or not a particular vehicle, within the above VIN ranges, requires the corrective work.

Note: Audi will not reimburse under this recall any duplicate recall repair work or a repair outside the VIN ranges.

/2

Important: Please Provide A Copy To All Personnel With Campaign-Related Responsibilities

Audi of America, Inc.

**Remedial
Action**

Install a brake power assist unit vacuum by-pass kit.

**Owner
Notification
Mailing**

Audi of America, Inc. will mail first class notification letters to all known owners of affected vehicles on or about September 21, 1999. Copies of the (4) owner letters are enclosed in this circular.

Parts Availability

Vacuum kits, 058 198 751, are en-route to your dealership and repair appointments can be scheduled for 1.8T vehicles. *However, vacuum kits 078 198 998N for the 2.8L V6 vehicles will only be available on or about October 15, 1999. Prior to the availability of these kits at your dealership, appointments should not be scheduled.*

**Vehicle
Allocation**

By separate mail, we will furnish to you (2) separate computer lists containing information for vehicles of 1.8T and 2.8L V6 owners who may reside within your area of responsibility.

Dealer Inventory Vehicles

Section 154(d) of the National Traffic and Motor Vehicle Safety Act of 1966 mandates that dealers correct, prior to delivery for sale or lease, any vehicle which fails to comply with an applicable Federal Motor Vehicle Safety Standard or which contains a defect relating to motor vehicle safety. It is, therefore, imperative that any vehicle in your dealer new or used car inventory, and showing the KU code in the OTIS system, is updated with the installation of a brake booster vacuum by-pass kit prior to sale.

**Parts
Information**

Prior to owner notification, we will automatically ship to you an initial supply of required vacuum by-pass kits based on your vehicle allocation count. Additional required parts must be ordered by you from your facing parts depot. Please refrain from over-ordering this kit; you may be required to return excess inventory.

The parts required are as follows:

Quantity	Description	Part Number	Application
1	Vacuum Kit	058 198 751	A4 1.8T Automatic transmission
1	Vacuum Kit	078 198 998N	A4/A6 2.8L V6 Automatic transmission
1	w/ Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	
1	Vacuum Kit	078 198 998M	A4 2.8L V6 Standard transmission
1	w/ Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	
1	Vacuum Kit	078 198 998P	A4/A6 2.8L V6 Standard/Automatic transmission
1	w/o Throttle Valve Control Module		
1	Vacuum Pipe	8D1 611 931AR	
1	Crimp Clamp	N 102 018 01	

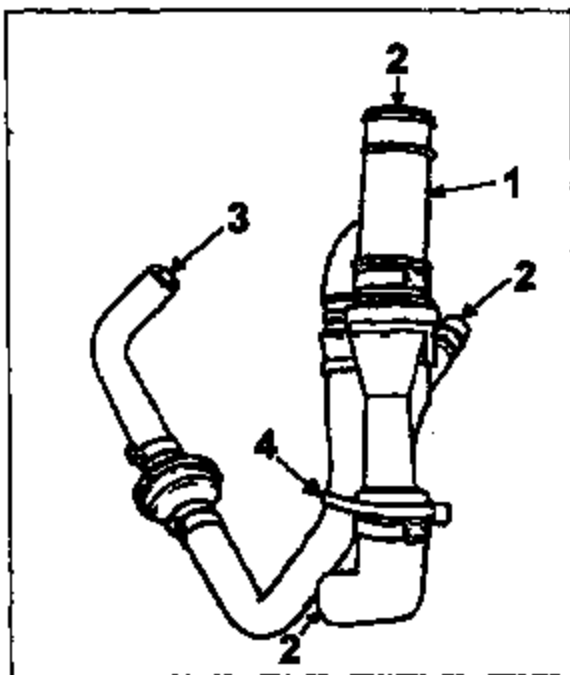
Work Procedure

For A4 1.8T automatic transmission vehicles, go to Section A

For A4 & A6 standard/automatic transmission vehicles with a 2.8 Liter V6 engine, go to Section B

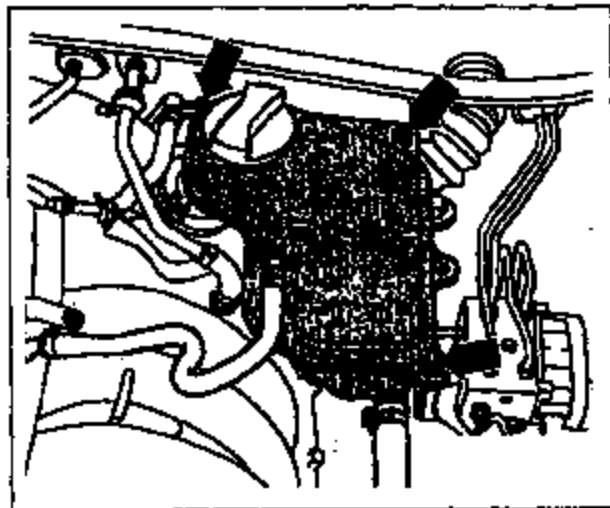
Section A – A4 1.8T vehicles

Vacuum By-pass Kit 058 198 751 contains the following parts:

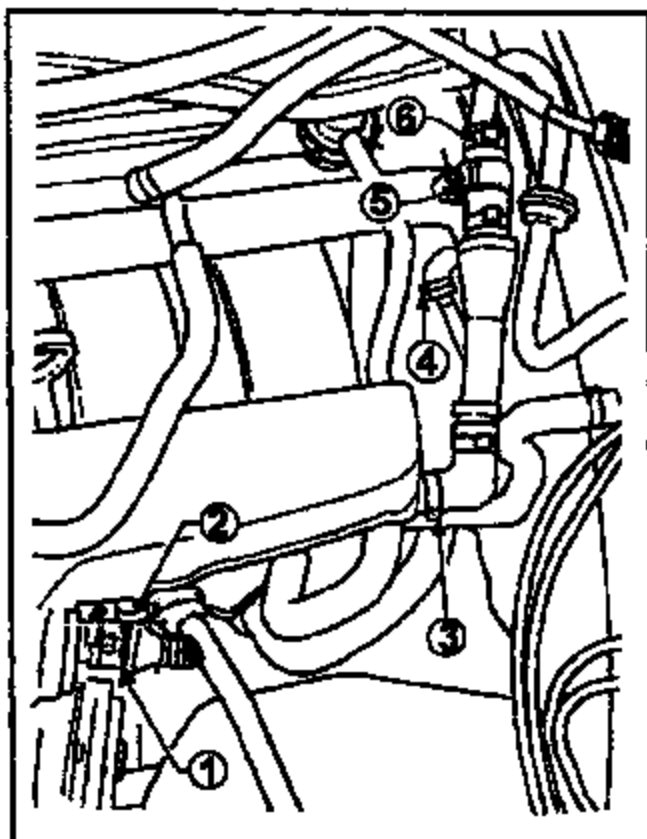


- ① Vacuum kit -058 139 751F- (includes assembled hoses, and non-return valve)
- ② 3 Clamps -N 102 582 01
- ③ Clamp -N 102 334 01
- ④ Tie Wrap -N 020 902 2

Removal of vacuum components including hoses

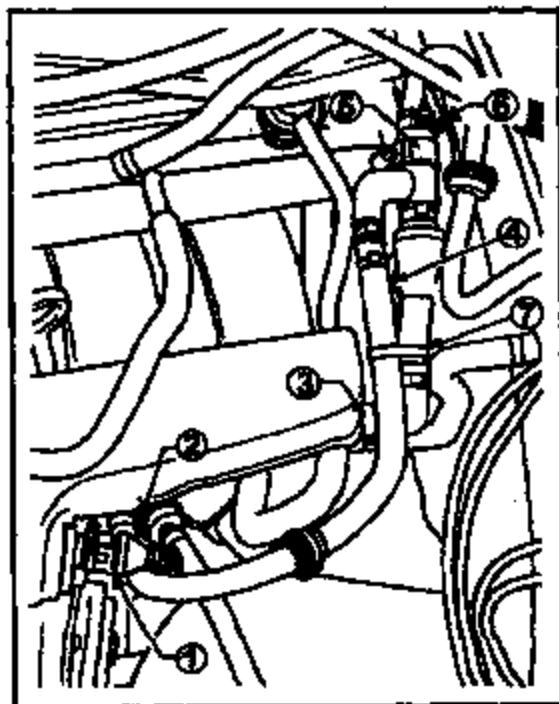


- Turn ignition to off position, and open hood
- ⇐ Remove 3 Phillips head screws securing coolant reservoir (arrows)
- Disconnect coolant level display connector from the bottom of the coolant reservoir, and move coolant reservoir aside



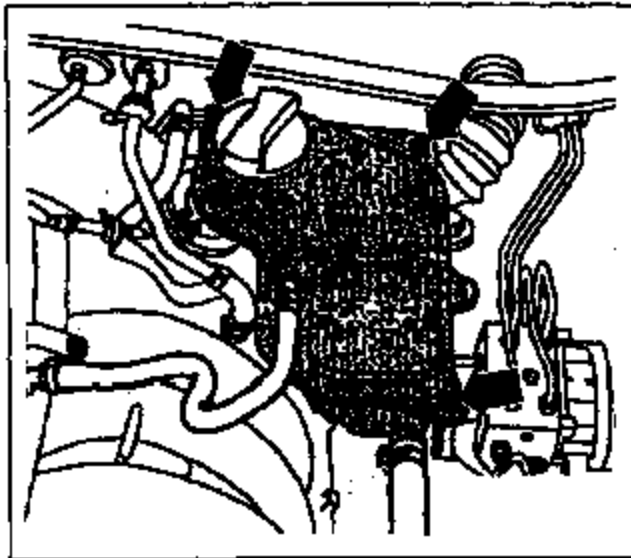
- ⇐ Disconnect air temperature sensor connector -1-
- ⇐ Remove clamp -2- from cap for side intake manifold port, and remove cap
- ⇐ Unhook plastic clamp -5- holding hose
- ⇐ Remove clamp -3- from elbow, and disconnect elbow from rear intake manifold port
- ⇐ Remove clamp -6- and disconnect vacuum unit tube
- ⇐ Remove clamp -4- from crankcase ventilation hose
- ⇐ Disconnect crankcase hose from vacuum unit and remove vacuum unit with hoses
- Dispose of removed vacuum unit with hoses and clamps

Installation of brake power assist unit vacuum by-pass kit



- ⇐ Slide new screw clamp over crankcase hose -4-, connect hose to vacuum unit and set clamp position
- ⇐ Slide new screw clamp over vacuum unit tube; insert tube approx. 25 mm (1") into rubber hose -6- and set clamp position
- ⇐ Slide new screw clamp over elbow -3-, connect elbow to rear intake manifold port and set clamp position
- ⇐ Slide new crimp clamp over hose; connect hose to side intake manifold port -2- and set clamp position
- ⇐ Slide plastic clamp -5- over hose and close clamp

Reference illustration at bottom of Page 4/21.



- Check position of all hoses (must be free of tension and not contacting engine parts) and tighten all clamps making certain the clamp edges do not contact other hoses
- Use tie wrap -7- and secure 2 hoses together
- Reconnect air temperature sensor -1-
- Reconnect coolant level display connector to the bottom of the coolant reservoir
- ← Reinstall coolant reservoir using 3 Phillips head screws (arrows)
- Start engine and check for vacuum leaks
- Close hood

Section B – 2.8 Liter V6

Kit 078 198 998 M contains the following parts: (manual transmission vehicles)

Quantity	Part Number	Description
1	078 133 063 AM	Throttle valve control module
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve.
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

Kit 078 198 998 N contains the following parts: (automatic transmission vehicles)

Quantity	Part Number	Description
1	078 133 063 AN	Throttle valve control module
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

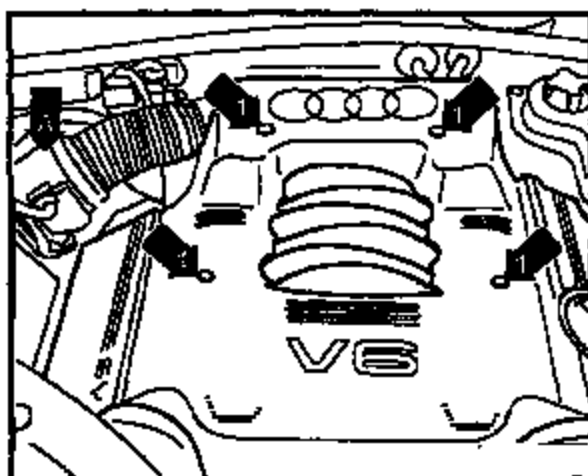
Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

Kit 078 198 998 P contains the following parts: (no throttle valve control module needed)

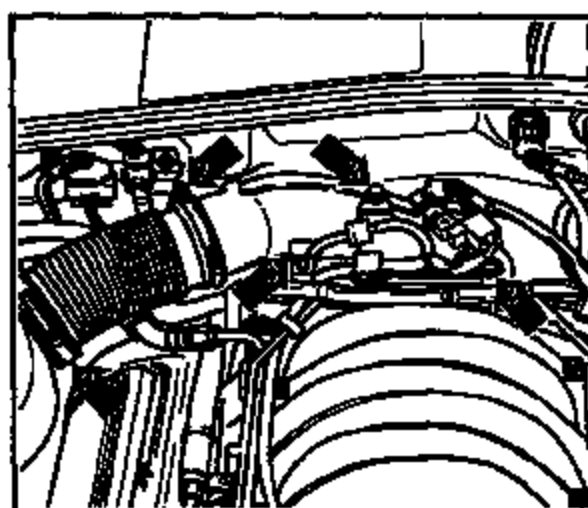
Quantity	Part Number	Description
1	027 133 784 E	Angled Hose
1	078 133 807	Hose
1	078 905 291 A	Check Valve
1	G 052 170 A1	Heat Dissipation Paste
2	N 102 33 401	Clamp
3	N 102 58 201	Clamp

Also supplied with the kit is a vacuum pipe to brake booster part # 8D1 611 931 AR and clamp N 102 018 01

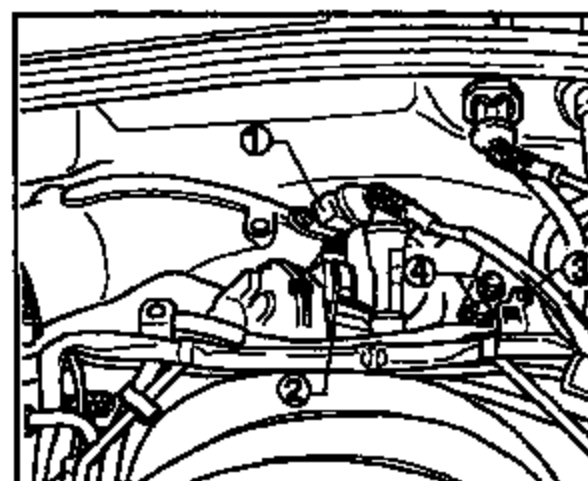
Type of kit will be determined after viewing the throttle valve control module



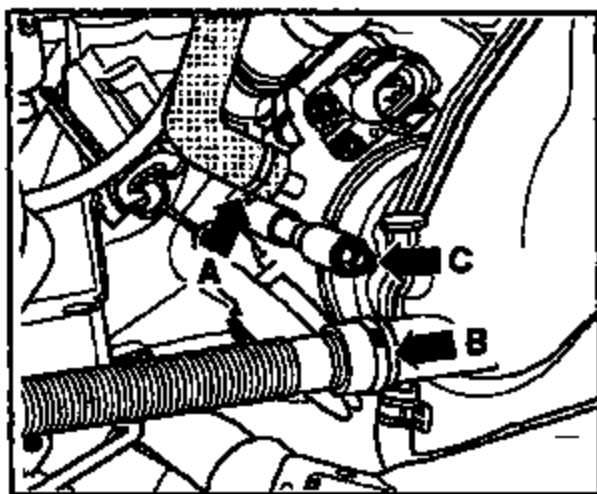
- Open hood
- ⇐ Check material of Mass Air Sensor (MAS) -A-
- If the MAS is made of aluminum, no work is required, close hood
- If the MAS is made of plastic, proceed as follows
- ⇐ Turn screws -1- and remove engine cover



- ⇐ Remove intake air hose between Mass Air Flow (MAF) sensor and air intake elbow by loosening clamps -2-
- ⇐ Remove three bolts -3- securing solenoid plate assembly located rearward of the intake manifold
- Disconnect vacuum hoses and electrical connectors (note location of vacuum hoses) as necessary

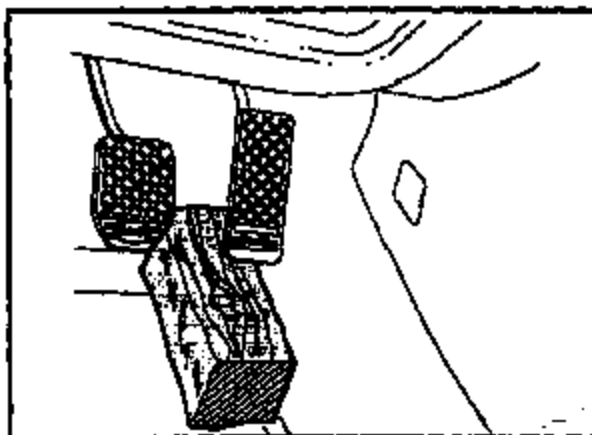


- ⇐ Unclip wiring support -3-
- ⇐ Disconnect connector -1- for intake air temperature sensor
- Move disconnected solenoid plate assembly to one side
- ⇐ Disconnect connector -2- from throttle valve control module
- ⇐ Remove cruise control vacuum unit from support -4-

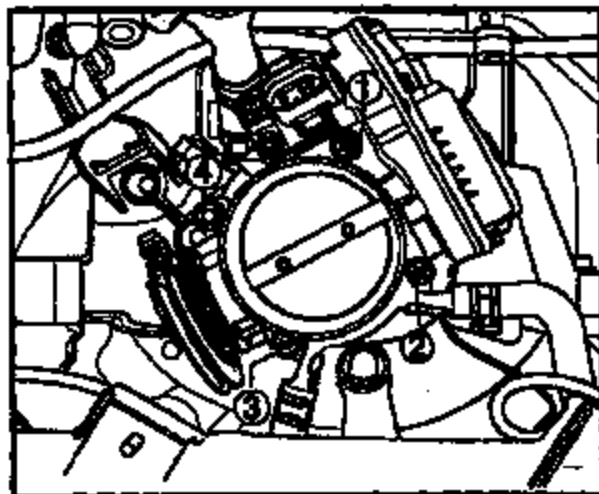


- ⇐ Remove cap screw -C- on air intake elbow and slide elbow rearward
- ⇐ Disconnect crankcase ventilation hose -B- from intake air elbow and remove elbow
- ⇐ Disconnect vacuum hose -A- from throttle valve control module to evaporative emission (EVAP) canister purge regulator

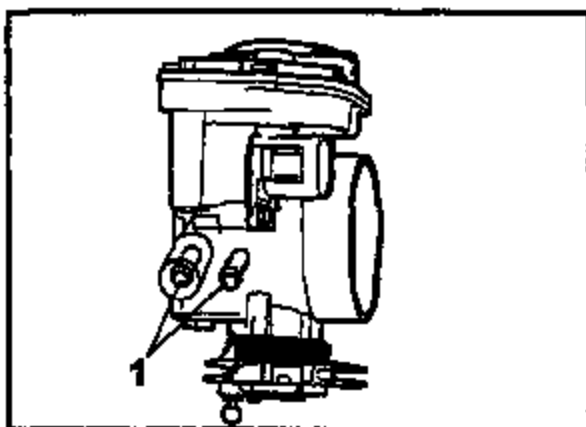
Throttle valve control module removing



- ⇐ **Note:** A support (90 mm or 3.5 inches) under the accelerator pedal will ease cable tension and aid in disassembly



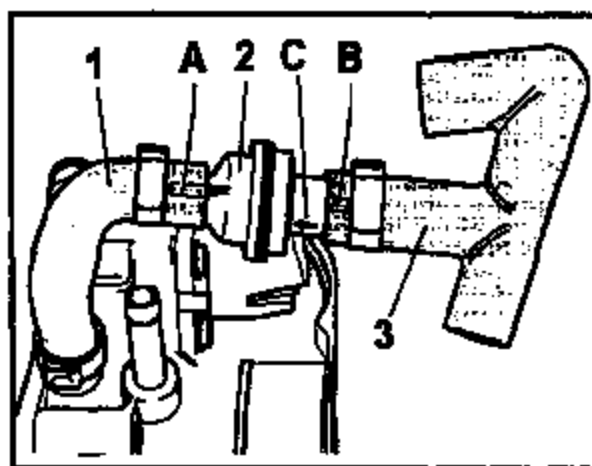
- ⇐ Remove throttle valve control module from intake manifold by removing screws -1-, -2-, and -3- with a 5 mm hexagon socket and screw -4- with an 8 mm hexagon socket
- Note:** Screws -2- and -3- also secure throttle valve heating tube, and screw -2- also secures ground wire
- Carefully disconnect throttle cable and cruise control linkage (do not remove accelerator pedal cable retainer from throttle body) and set aside



- ⇐ Check throttle valve control module for two vacuum ports -1-
- If two vacuum ports are present (one with rubber cap) use bypass kit 078 198 998 P
- If vacuum port with rubber cap is not present, use bypass kit 078 198 998 M for manual transmission vehicles or bypass kit 078 198 998 N for automatic transmission vehicles

Vacuum booster bypass installing

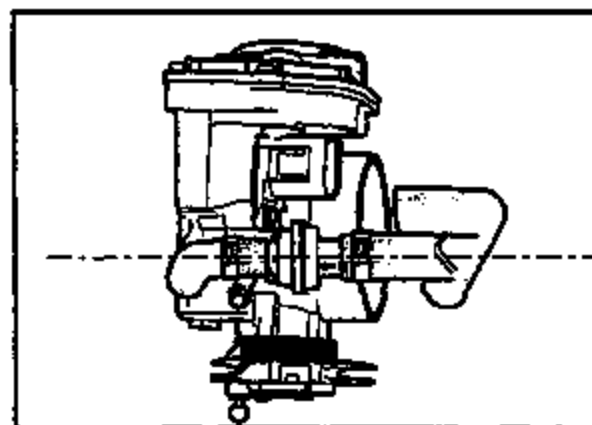
Prepare the throttle valve control module before installing:



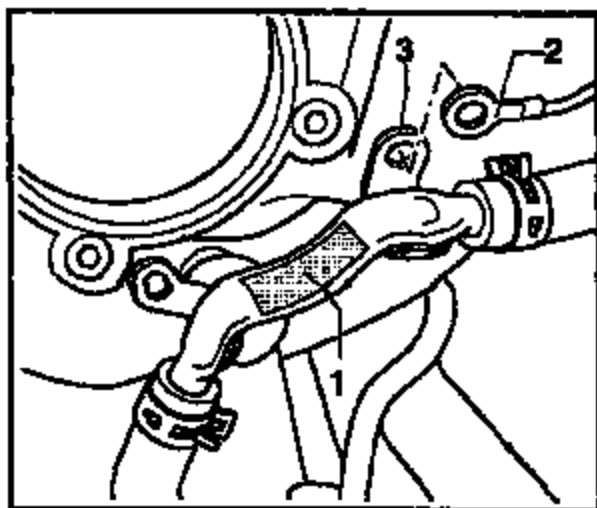
- ⇐ From the kit install angle hose -1-, check valve -2- and bypass hose -3- on the throttle valve control module, making sure that the marks -A- and -B- on vacuum hoses are aligned as shown

Important! The arrow -C- on the check valve must point in the direction of the throttle valve control module

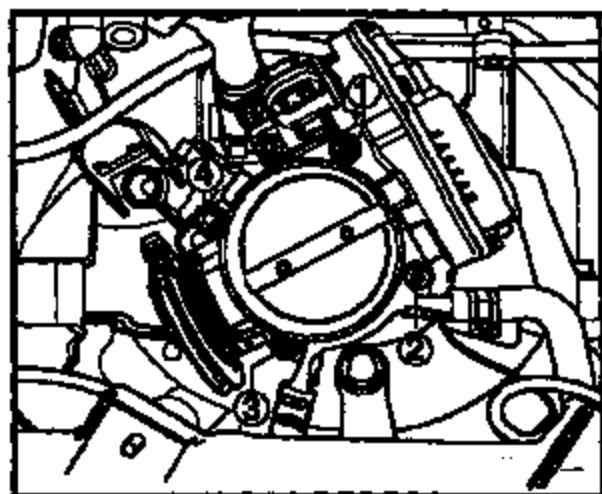
- ⇐ From the kit, use 2 pinch clamps to secure angled hose -1- and a screw clamp to secure bypass hose -3-



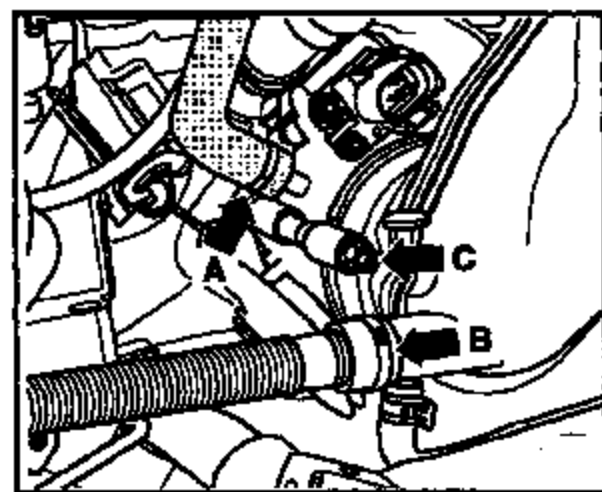
- ⇐ Correct position of hose assembly on throttle valve control module



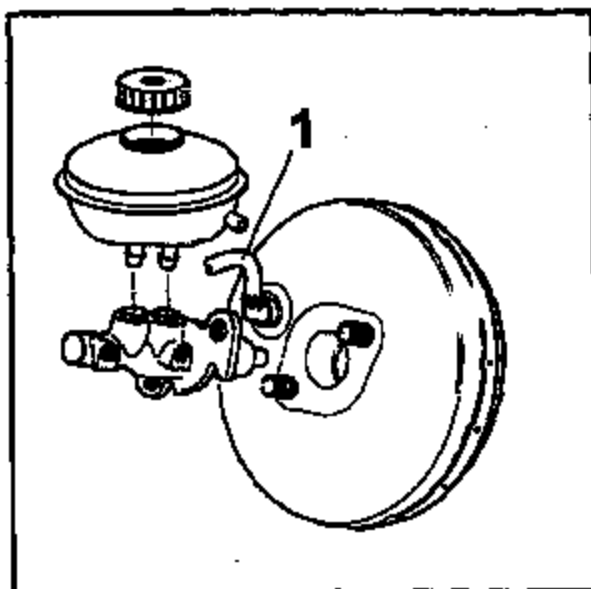
- Clean the mounting surface of the intake manifold and make certain O-ring gasket is in place before installing the throttle valve control module
- ⇐ Apply paste sealer from the kit on area -1- of the throttle valve heating tube
- When the throttle valve control module is bolted on, ground wire -2- will be secured with the throttle valve heating tube bracket -3-



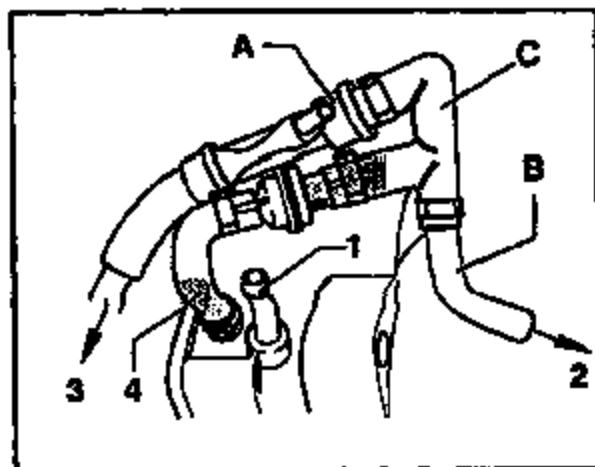
- ⇐ Install throttle valve control module with new hoses and valve and secure with four screws (10 Nm or 7 ft lb)
- Reconnect throttle cable and cruise control linkage



- ⇐ Place air intake elbow in front of throttle body, reconnect crank case vent hose -B-, slide elbow to correct position on throttle body and secure with cap screw -C- (10 Nm or 7 ft lb)
- ⇐ Reconnect vacuum hose -A- for evaporative emission (EVAP) canister purge regulator to throttle valve control module with a pinch clamp



- Remove the rubber elbow between the vacuum amplifier and the brake booster vacuum pipe
- Remove rubber seal and plenum panel cover
- ⇐ Remove vacuum pipe -1- to brake booster
- Install new vacuum pipe 8D1 611 931 AR from brake booster to bypass hose



- ⇐ Connect bypass hose -C- to vacuum amplifier -A- and secure using screw clamp
- ⇐ Connect bypass hose -C- to vacuum pipe -B- to brake booster and secure using new screw clamp N 102 018 01
- ⇐ **Vacuum ports**
 - 1 Port to the EVAP – valve
 - 2 To brake booster
 - 3 To intake manifold
 - 4 Connection for bypass
- Reconnect connector to throttle valve control module
- Reinstall solenoid plate with three screws
- Reconnect previously disconnected vacuum lines
- Reconnect connector for intake air temperature sensor
- Reinstall cruise control vacuum unit and secure (10 Nm or 7 ft lb)
- Reinstall wiring support

- Reinstall intake air hose between mass air flow sensor and air intake elbow, and secure with clamps (10 Nm or 7 ft lb)
- Reinstall plenum panel cover and seal
- Reinstall engine cover
- Remove support from under accelerator pedal
- Use VAG 1551 or VAG 5051 and set throttle adaptation
- Close hood
- Properly dispose of all removed parts

Time Requirements/ Reimbursement

To ensure prompt and proper payment, be sure the OTIS campaign inquiry system shows the **KU** recall code on the day of repair.

KU Data Entry Procedure

<u>Vehicle Type</u>	<u>Repair Code (Damage Code Field)</u>	<u>Time Units</u>	<u>Work Scope</u>
A6 2.8L V6	KU 11	15 T.U.	- Check Mass Air Flow Sensor No work required
A4 1.8T Automatic	KU 12	60 T.U.	- Install vacuum by-pass kit (1) Kit 058 198 751
A4/A6 2.8L V6 Std/Auto w/o throttle valve control module	KU 13	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998P (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
A4 2.8L V6 Standard w/ throttle valve control module	KU 14	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998M (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
A4/A6 2.8L V6 Automatic w/ throttle valve control module	KU 15	195 T.U.	- Install vacuum by-pass kit (1) Kit 078 198 998N (1) Vacuum Pipe 8D1 611 931AR (1) Clamp N 102 018 01
Important: Must enter \$7.00 in Sublet Labor field for vehicle vacuum/wash (customer cars ONLY). Must enter \$30.00 in Loaner field, if applicable.			

The system automatically enters the part number and labor applicable to the above listed code.

13/21

For vehicles that are unreachable, please enter into the system one of the codes indicated as applicable:

KU 20	Customer Refused Repairs
KU 30	Total Loss
KU 40	Vehicle Stolen
KU 50	Vehicle Exported
KU 60	Customer Moved – No Forwarding Address
KU 70	Vehicle Sold – New Owner Unknown

**Recall
Verification**

For verification, always check the OTIS campaign inquiry system. The OTIS system is the only binding campaign inquiry and verification system; other systems are not valid.

**Dealer
Obligation**

To ensure customer satisfaction, as well as minimize inconvenience to your customers, you are urged to service each vehicle at the scheduled service appointment time, offer and supply a loaner vehicle for the day, if necessary, and make sure that each vehicle is returned to the customer washed and cleaned inside. Do not let any customer wait longer than necessary for the recall repair service of the vehicle. Every effort should be made to reduce any inconvenience to customers.

**Service
Help**

If you have any questions regarding this or any other recall or service, please call (248) 340-4734 or (248) 340-4858.

**Dealer
Personnel
Information**

Please inform and/or provide a copy of this communication to every person in your dealership who has campaign-related responsibilities, including parts and accounting personnel.

Thank you for your cooperation.

Sincerely,

ANSTEGELICH

Andreas H. Steglich
Product Compliance Team Leader

As of 1/15



Audi of America, Inc.

3900 Hamlin Road
Auburn Hills, MI 48226
Tel. (248) 340-5000

14/21

September 1999

DRAFT (1) 2.8L

Cold Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass Kit**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Audi has decided that a defect which relates to motor vehicle safety exists in some 1997/99 model Audi 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Audi dealers on or about October 15, 1999.

Anticipated Repair Time

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible after parts are available.

Please contact the Service Department of your authorized Audi dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Audi in for the service.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Audi dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Audi of America, Inc.
Attn: *Client Relations - 2F02 (KU)*
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-2834

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Audi is safe and operates to your satisfaction.

Thank you for driving an Audi.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader



Audi of America, Inc.

3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

16/21

September 1999

DRAFT (1) 1.8T

Cold Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass Kit**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Audi has decided that a defect which relates to motor vehicle safety exists in some 1997/99 model Audi A4 1.8T automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions are already available at authorized Audi dealers.

Anticipated Repair Time

The recall work will take approximately one hour. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible.

Please contact the Service Department of your authorized Audi dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Audi in for the service.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Audi dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Audi of America, Inc.
Attn: *Client Relations - 2F02 (KU)*
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-2834

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Audi is safe and operates to your satisfaction.

Thank you for driving an Audi.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader



Audi of America, Inc.

3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-6000

18/21

September 1999

DRAFT (2) 2.8L

Warm Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass Kit**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Audi has decided that a defect which relates to motor vehicle safety exists in some 1997/99 model Audi 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

What You Need To Do

We have determined that you are not residing in a region of the country which will ever experience temperatures as low as -4°F or lower in major population centers. The defect is therefore not likely to cause a safety problem for you, so there is no need for you to respond to this notice immediately.

However, we recommend that you have the recall completed if you should decide to move to, sell your vehicle to a resident in or plan to drive your vehicle in the states of Alaska, Colorado, Connecticut, Idaho, Illinois, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New York, North Dakota, Oregon, South Dakota, Vermont, Washington, Wisconsin or Wyoming. In that case, please make an appointment with your nearest Audi dealer.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Audi dealers on or about October 15, 1999.

Anticipated Repair Time

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Audi dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Audi of America, Inc.
Attn: *Client Relations - 2F02 (KU)*
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (800) 822-2834

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590. Telephone: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Audi is safe and operates to your satisfaction.

Thank you for driving an Audi.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader



Audi of America, Inc.

3800 Hamlin Road
Auburn Hills, MI 48326
Tel. (248) 340-5000

20/21

September 1999

DRAFT (2) 1.8T

Warm Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass Kit**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Audi has decided that a defect which relates to motor vehicle safety exists in some 1997/99 model Audi A4 1.8T automatic transmission vehicles. Our records show that your Audi vehicle is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

What You Need To Do

We have determined that you are not residing in a region of the country which will ever experience temperatures as low as -4°F or lower in major population centers. The defect is therefore not likely to cause a safety problem for you, so there is no need for you to respond to this notice immediately.

However, we recommend that you have the recall completed if you should decide to move to, sell your vehicle to a resident in or plan to drive your vehicle in the states of Alaska, Colorado, Connecticut, Idaho, Illinois, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New York, North Dakota, Oregon, South Dakota, Vermont, Washington, Wisconsin or Wyoming. In that case, please make an appointment with your nearest Audi dealer.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions are already available at authorized Audi dealers.

Anticipated Repair Time

The recall work will take approximately one hour. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Audi dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

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3800 Hamlin Road
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